USB & Printer Server

User's Manual

LTU-100

LTU-104

LTU-104H

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Model Spec.

Model No.	USB Port	Number of Device
LTU-100	1	Does not support extended USB Hub / 1 USB device.
LTU-104	1	Supports max. 4 port USB 2.0 extended Hub / 4 USB devices.
LTU-104H	4	Does not support extended SB Hub. / 4 USB devices

Introduction

The revolutionary USB & Printer Server utilizes technology that streamlines and enhances functionalities between USB devices and multiple PCs. Current solutions from other companies provide minimum functionalities at high costs. They use significant amounts of resources and effort to achieve the required features, whereas the USB & Printer Server utilizes significantly less resources for more features. Most solutions allow printer-only peripheral devices. However, the USB & Printer Server allows you to use a multifunction combo device, such as a printer-scanner or printer-fax all-in-one! Another added benefit is that you can connect multiple printers/scanners/faxes to the USB & Printer Server through a USB Hub. These are just some of the features that make our product one of the standards today. The USB & Printer Server application provides a user friendly interface between you and this Server, enabling you to monitor, manage and use the convenient and powerful functions provided by USB & Printer Server.

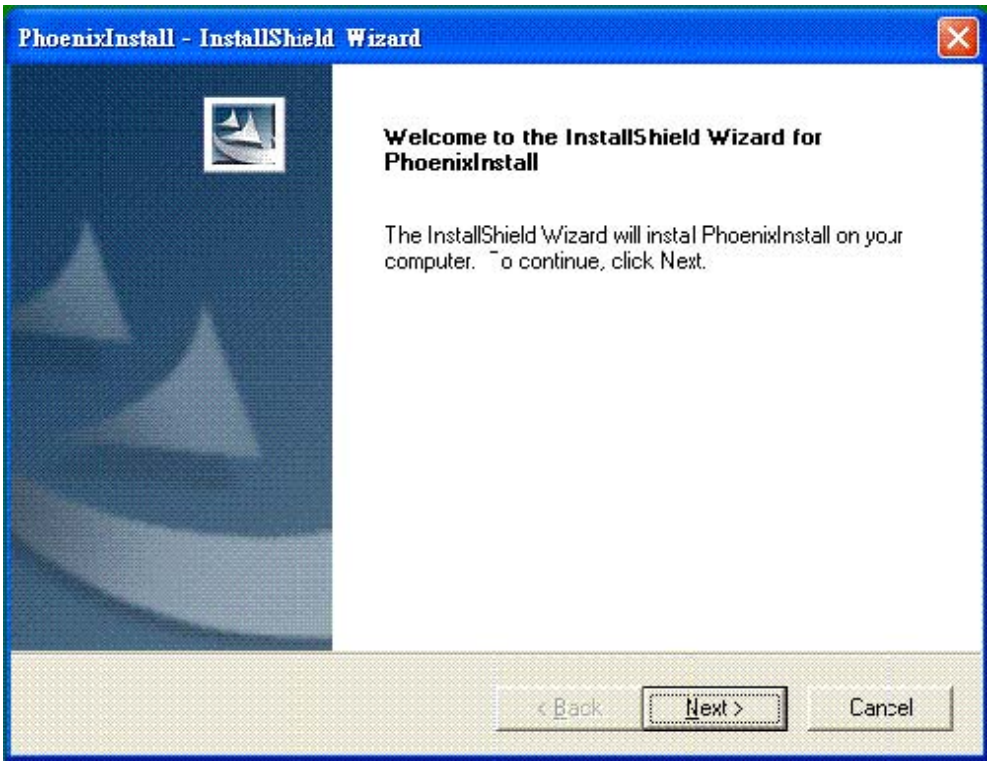
Features

- Centralized remote USB & Printer Server Management
- Centralized remote USB & Printer Server Status Monitoring
- Centralized remote USB Device Management
- Centralized remote USB Device Status Monitoring

Installation

To install the USB & Printer Server program, please double click the USB & Printer Server setup file. A dialog box should pop up to prompt you to choose desired installing language. There are two choices: English and Traditional Chinese.

After choosing the language, click on OK. The InstallationShield Wizard will start automatically.

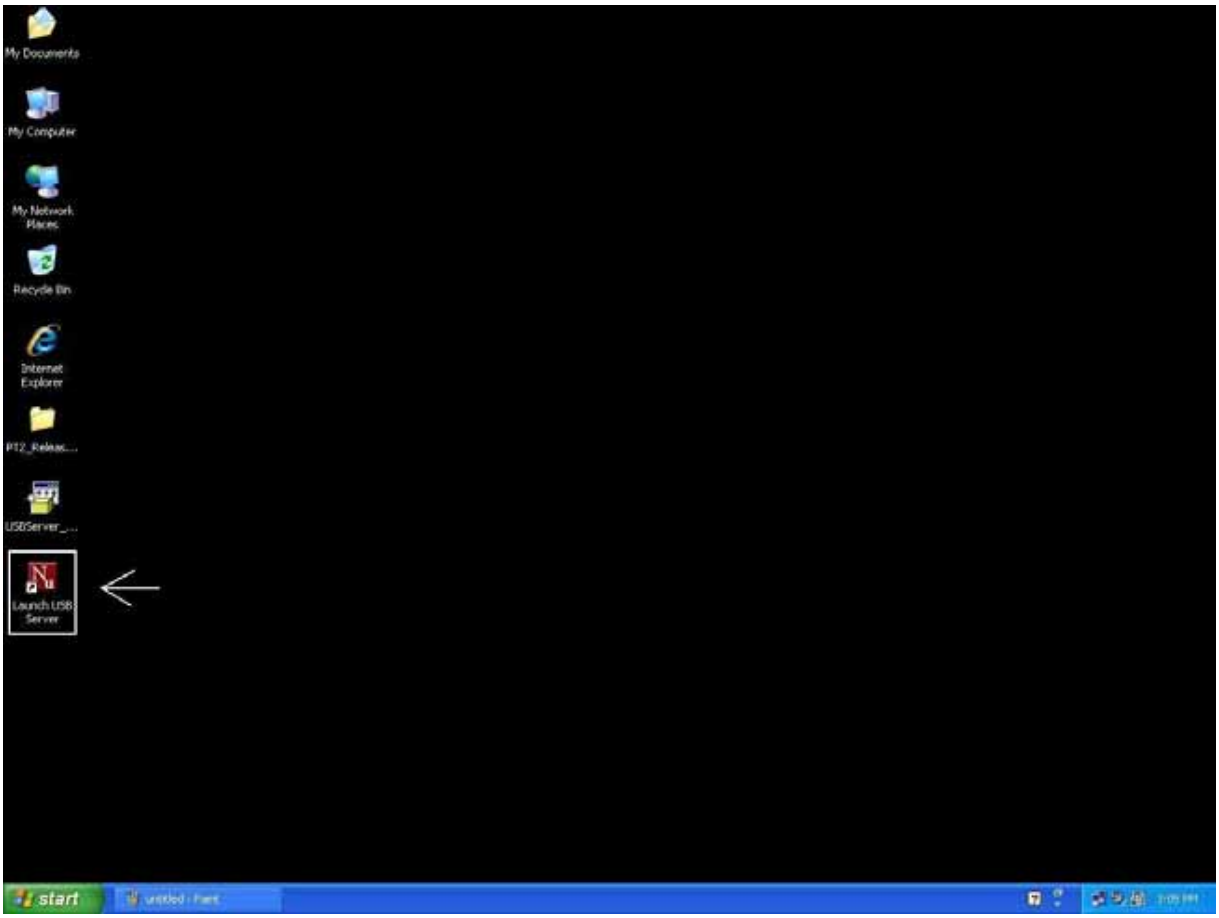

PhoenixInstall - InstallShield Wizard
Welcome to the InstallShield Wizard for PhoenixInstall
The InstallShield Wizard will instal PhoenixInstall on your computer. To continue, click Next.
< Back
Next >
Cancel

Please follow the instructions of the wizard to complete the installation process.

Please reboot the system as requested by the installer when the process ends, otherwise the software might not work properly.

Running Program

To start the USB & Printer Server program, please double click the shortcut icon of the USB Server on the Desktop.



This brings up the main dialog.

Main Dialog Box

The main dialog box of USB & Printer Server is shown above. This is what you would see at program start up. It is consisted of a Control Menu (File, View and Help), a tree view, a **Search** button to get the current status of all USB & Printer Servers and devices on the network, and a button that toggles between "Config." and "Connect" depending on the node you select on the tree view. It toggles to "Config." when a server is selected on the tree view and to "Connect" when a device is selected. The tree view displays the all the USB & Printer Servers and devices your PC has access to.

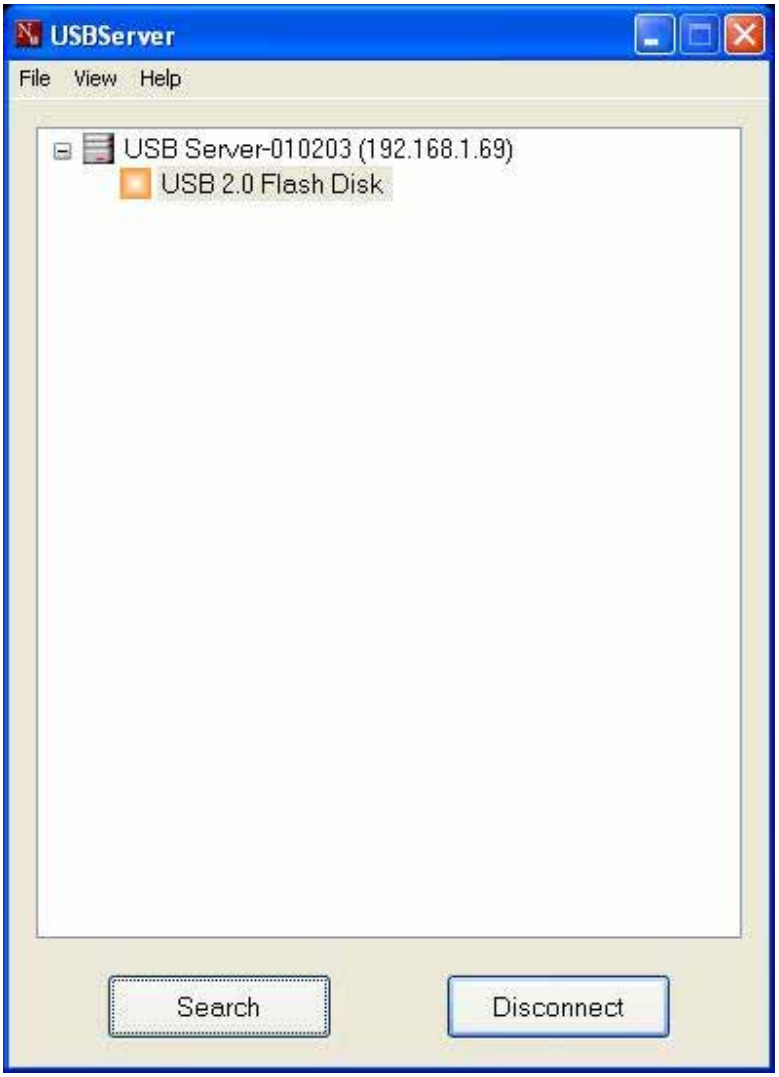
Note: You will be allowed to set an alias name for each of the servers on for easy recognition. The alias name with its IP address will be displayed on the tree view. The way to set alias name will be described in the "Config." section below.

Status of USB & Printer Servers and Devices

The tree view also tells you the status of all the USB & Printer Servers and devices that are accessible to you. An USB & Printer Server is either accessible or inaccessible. An inaccessible server is either disconnected from the network, powered off or suffers other technical difficulties that prevent it from being accessed by your PC. Inaccessible server will not show up on the tree view.
However, the devices have several kinds of status:
Ready

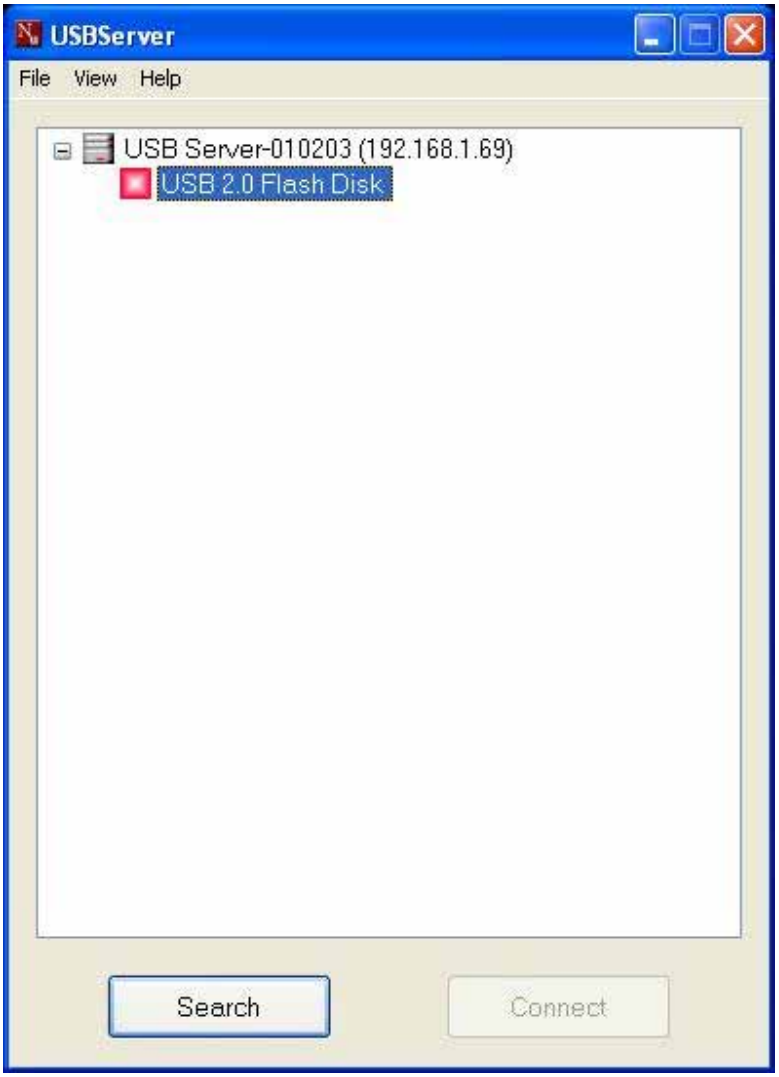
Each status is represented by an icon of different color. A device with "Ready" status is indicated by a square green icon as shown in the picture above. This green icon indicates that the device is unoccupied and ready to be connected.

Occupied by Yourself



When you are "Connected" to a device, the green icon turns into an orange icon to signify the establishment of the connection.

Occupied By Other User



The red icon indicates the device is occupied by another user and you can not connect to that device at the moment.

: Device on Different Segment
Blue icon indicates that the server's IP address is on a different network segment as from yours. You can NOT connect to a device attached to such server.

: Unsupported Device
Some of the devices are not supported by USB & Printer server. Such device will be identified by a red X icon. Of course, connecting to an unsupported device is not allowed.

: Self Occupied with Error

When an error happens on the device you are connected to, you will see a small exclamation mark appears at the right lower corner of the icon as show above. This problem could be that the device is a printer and it is out of ink or out of paper.

: Occupied by Others with Error

When you see this red-with-exclamation icon, it signifies that a problem occurs on the device that is occupied by another user.

: Free with Error

A green icon with exclamation mark indicates that this device is not connected by anyone but does have some type of problem such as out of ink.

Of course, any problem indicated by the exclamation mark would prevent the device from working properly. Please resolve the problem before you continue using the device.

Accessing a Device

To connect to a USB device, please select it on the tree view and click on "Connect" button or double-click on it. This process might take a few seconds up to a minute, depending on the complexity of the device.
Once connected, you can use the USB device as if it is connected to your PC directly with a USB cable.

If you select a connected device on the UI, you can see that the **Connect** button is changed to **Disconnect**:

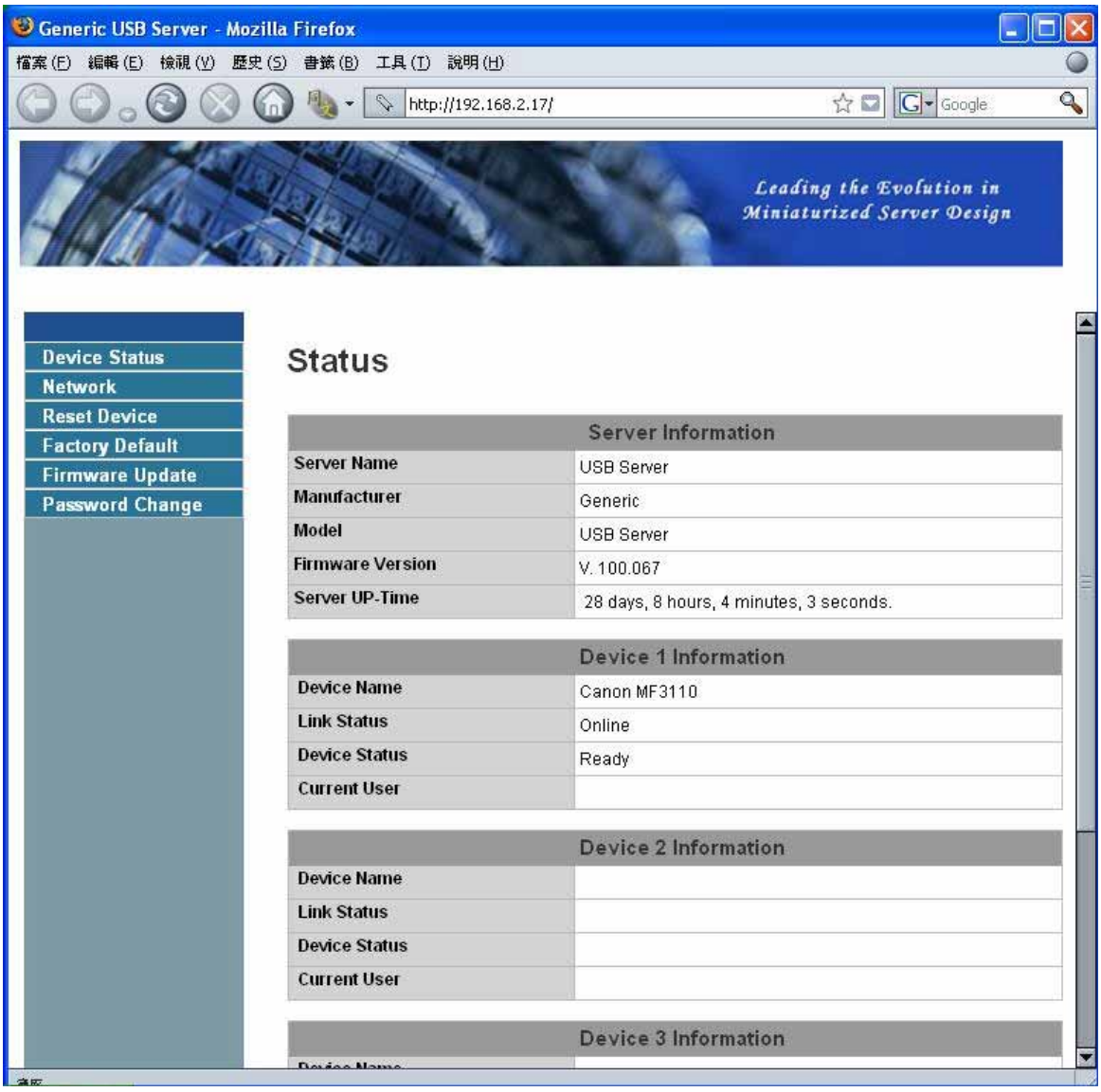
Clicking on the button disconnects you from the selected device. Once you see the icon turns green, the device has been disconnected and other users will then be able to connect to it.

Server Configuration

We allow the users to configure the settings of the USB & Printer Servers via the web-based UI. Select the target server on the tree view and then click on the "Config." button or right click on the server and select "Config" option on menu to bring up this configuration UI.

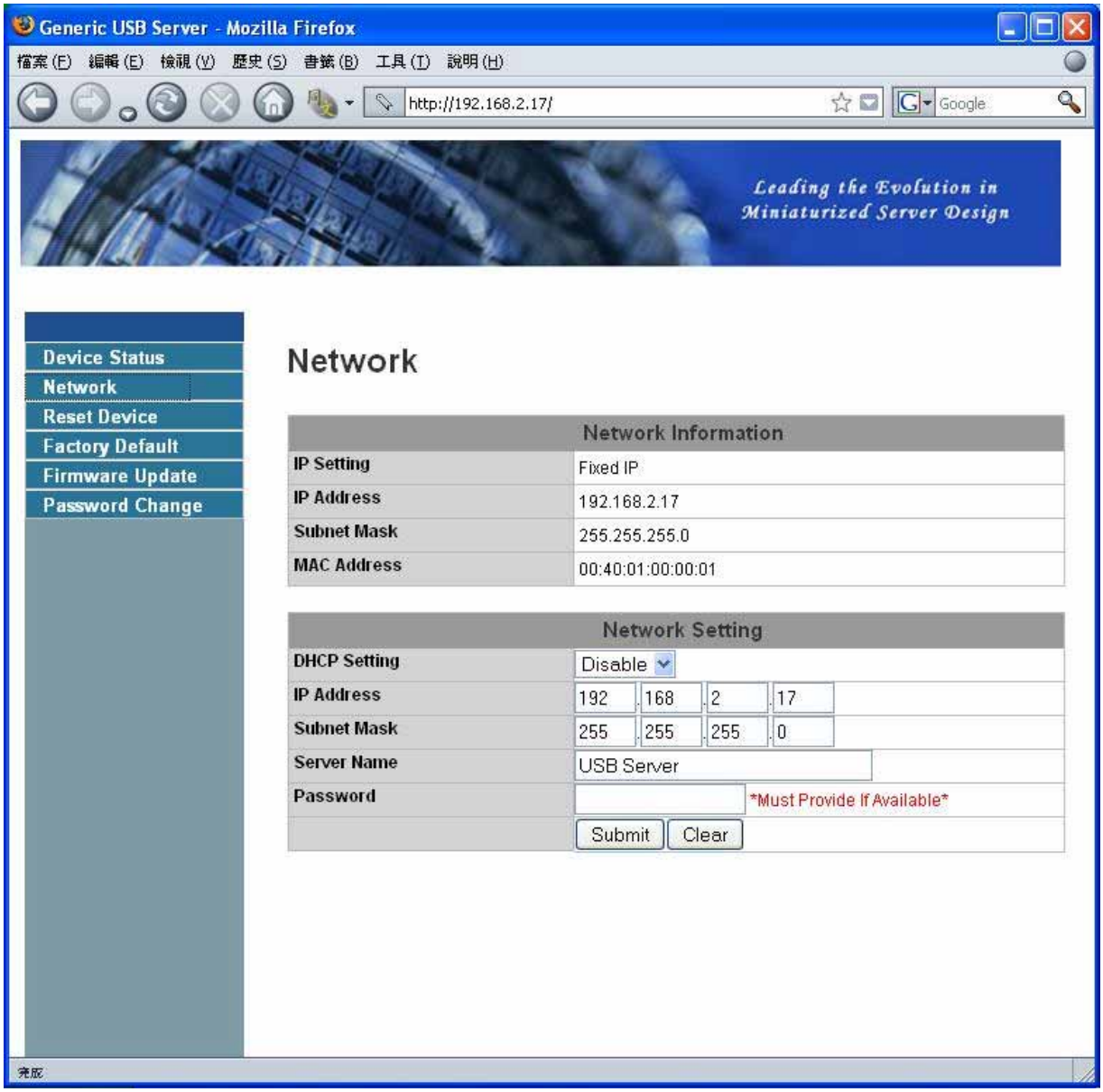
Configuration with Web-based UI

Your default web browser will pop up and take you into the web-based configuration UI of the server.



This is the main page of the configuration UI. You can see the important information about the USB & Printer Server and the device(s) connected to it. The 6 links at the left-hand side each represents a function. Clicking on "Device Status" brings you back to this page, and the 5 other links take you to pages with different functions.

Network Information/Setting

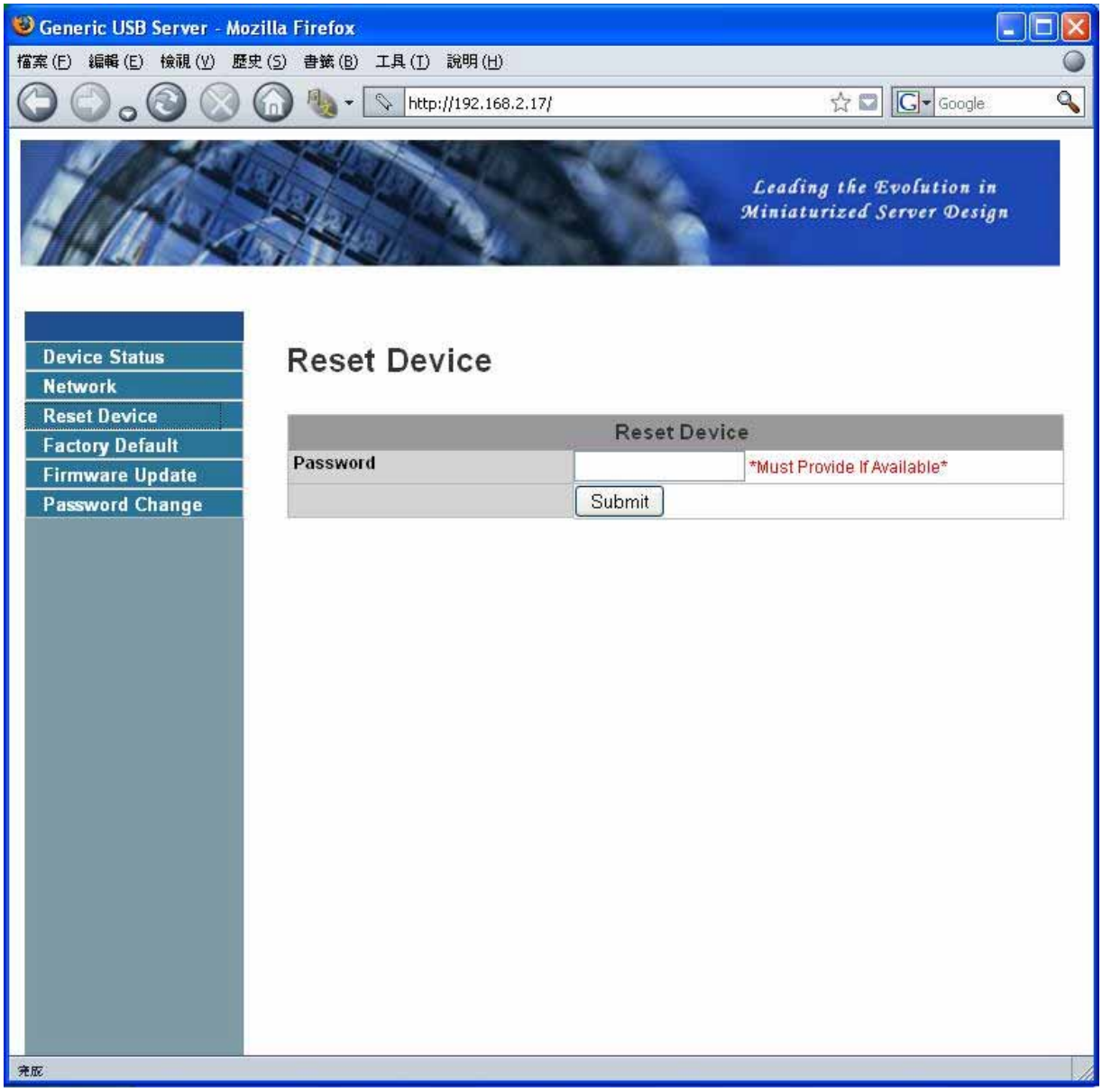


This page displays the current network setting of the server and provides links to the pages where you can perform special actions. You can change the network setting according to your need. However, please note that if you would like to give this server a static IP, please disable the DHCP option. Once you are done, please click on the "Submit" button and reboot the server.

NOTE: A Server with busy device(s) connected is prohibited to be configured to prevent interruption of any on-going tasks.

Server Reset

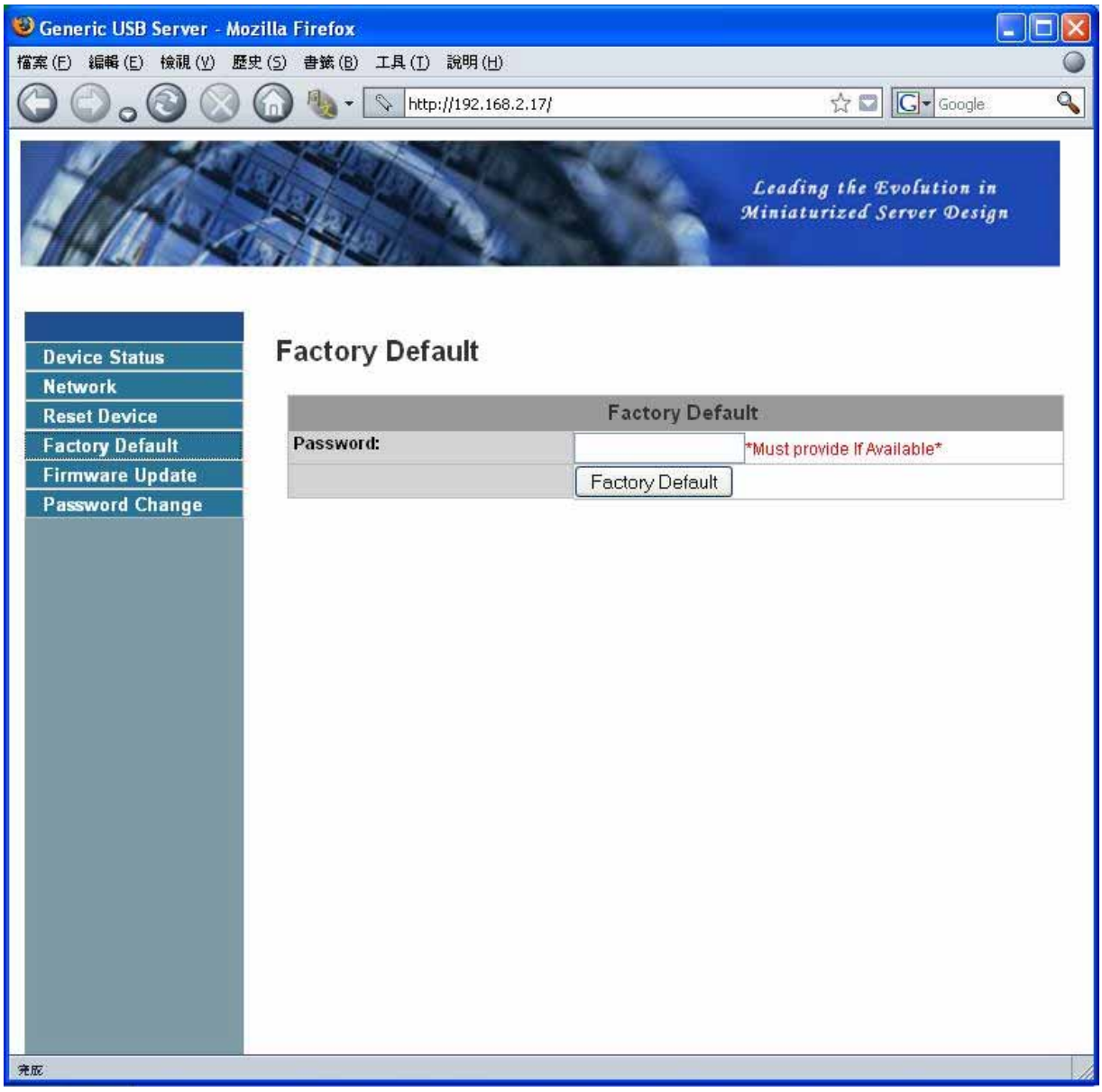
Clicking on this link takes you the page show below:



With the "Reset Server" button you can reboot the server. However, if there is a password, you must enter it for this function to work. Password is by default blank. So, unless a password is explicitly set, you do not have to enter anything for the reset function to work.

Factory Default

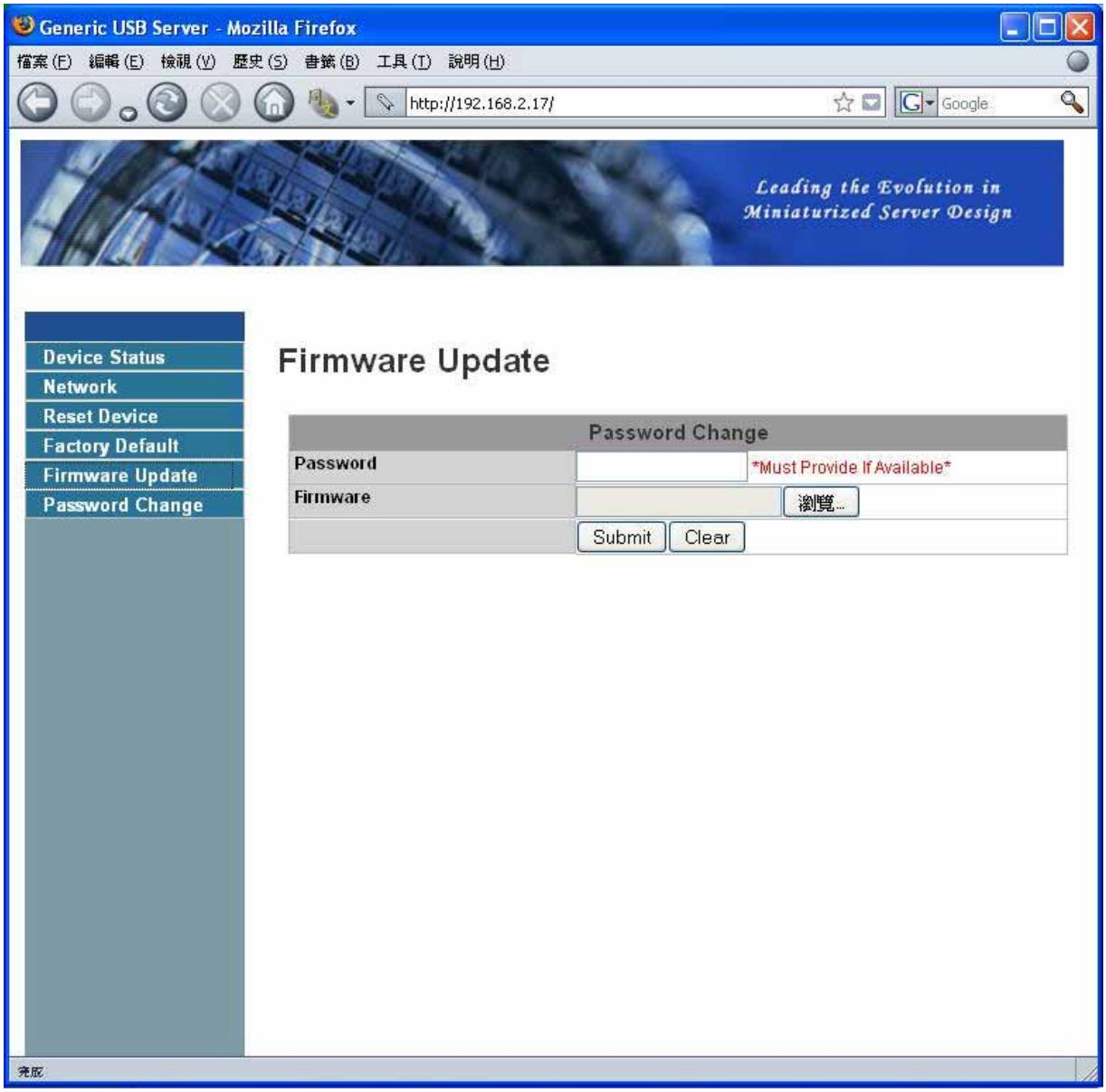
Clicking on this link takes you the page where you can restore the server's settings back to default:



Again, the password is not necessary if no password is set. Just leave the field empty and click on the "Factory Default" button to restore the factory default settings.

Update Firmware

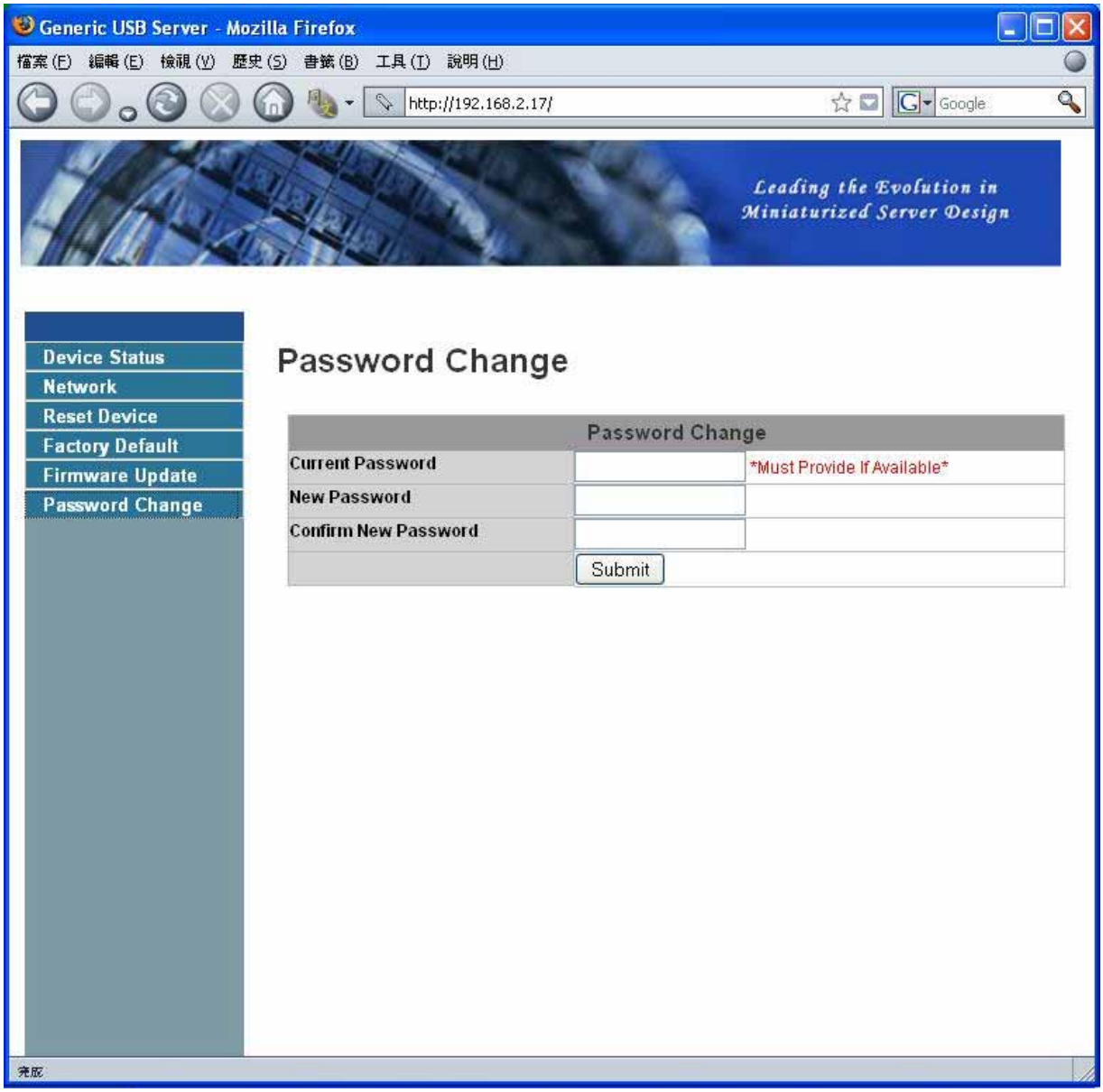
This link takes to the page where you will be able to upload the latest firmware for the server:



Please first click on the "Browse" button to browse to the firmware you would like to upload and then click on the "Submit" button to update the firmware. You do not need to provide a password for this operation if there is not password set. Please just leave it blank.

Change Password

Clicking on this link takes you to the password update page below:

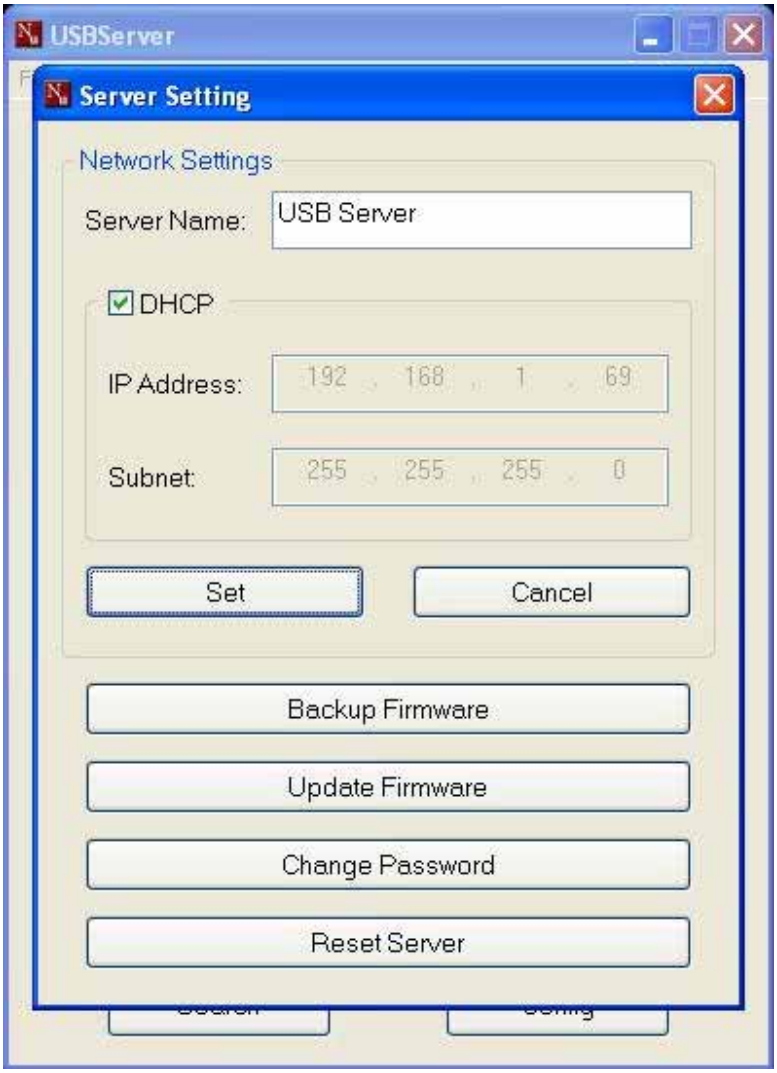


To change the password, you must enter current password, input new password and re-input new password for confirmation and then click on "Submit". If you are setting the password for the first time, you don't have to provide current password.

Configuration with the Utility

Another way to configure the server is via the configuration dialog of PB2. To bring up the configuration dialog, please RIGHT-CLICK on the server you would like to configure,

And select the "Setting" option. If a protective password has been set, this option brings up the following configuration dialog.



You might be prompted to enter password if a password has been set. If not, you will immediately see the above dialog.

Set Sever Name and IP Address: these fields allow you set the server name and IP address settings. If you are changing IP address, please make sure you know what you are doing.

NOTE: You can apply this function to a server under different network segment.

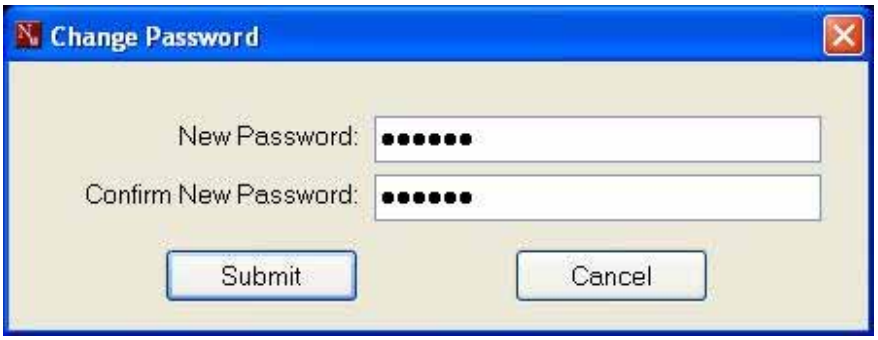
Backup Firmware: this function is a fail-save mechanism for the Update Firmware function.

Use the **Browse** button to choose where you want to save the backup file. Click on **Submit** to start. You can backup the current firmware of your server and save it on your PC in case you updated the latest firmware and want to revert back for some reasons.

Update Firmware: update firmware with this function.

Use the **Browse** button to choose the firmware to update. Click on **Submit** to start.

Change Password: Simply enter the new password and enter it again for confirmation. Click on **Submit** to change.

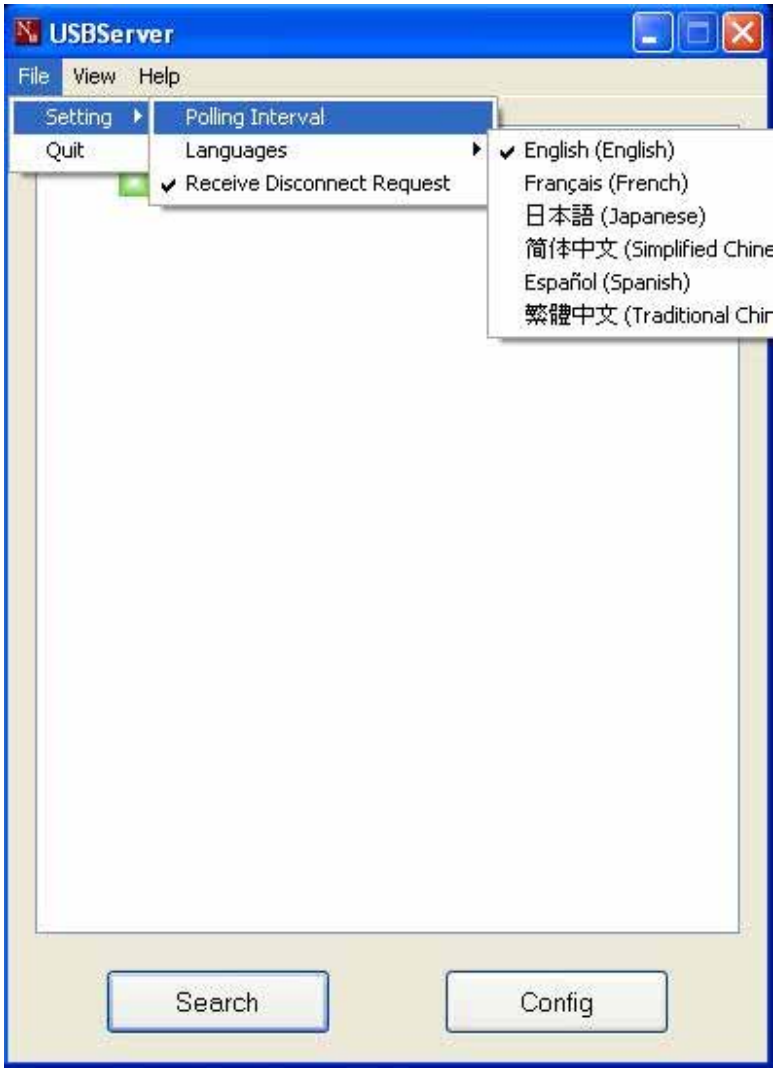


Reset Server

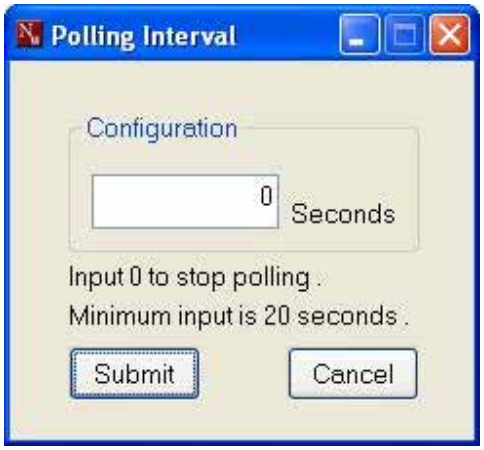
This button reboots the server. Please note that this function will not work if the server you attempt to reset has a device connected to it and the device is occupied by a user.

Polling Interval

The **USB Server** program periodically polls your network to find out the status of all the connected servers and devices. Any change on the status of servers and devices will be updated to the tree view in the main dialog box. The default setting is that the program would perform this polling every 30 seconds. To change this polling interval, click on the **File -> Settings -> Polling Interval** option on the control menu:



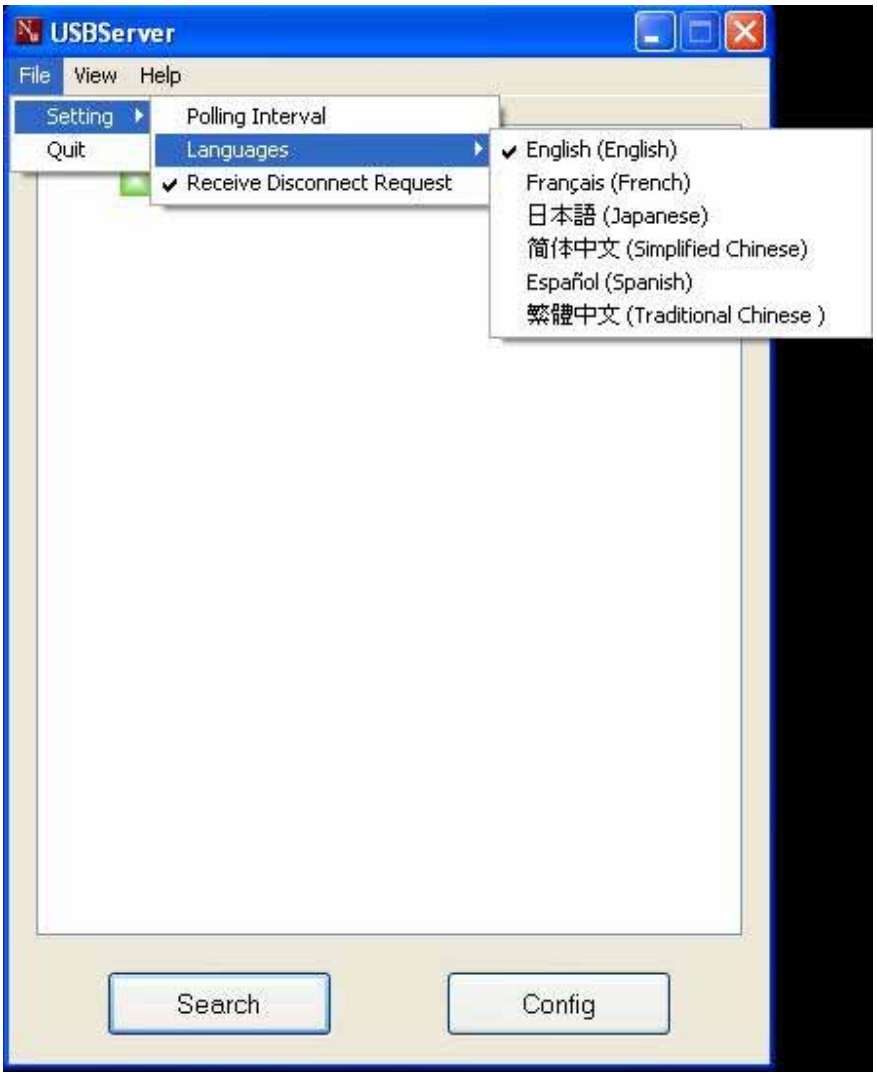
Then you should see this dialog box pops up:



As indicated on this dialog box, you must input a minimum of 20 seconds. Set it to 0 to disable this function. Click on **Submit** to allow the new interval to take effect.

Language

The USB & Printer Server now supports two languages: English and Traditional Chinese. To toggle between the languages, please go to File -> Settings -> Languages option and select the desired language.



Simply select the desired language to change the UI's displaying language.

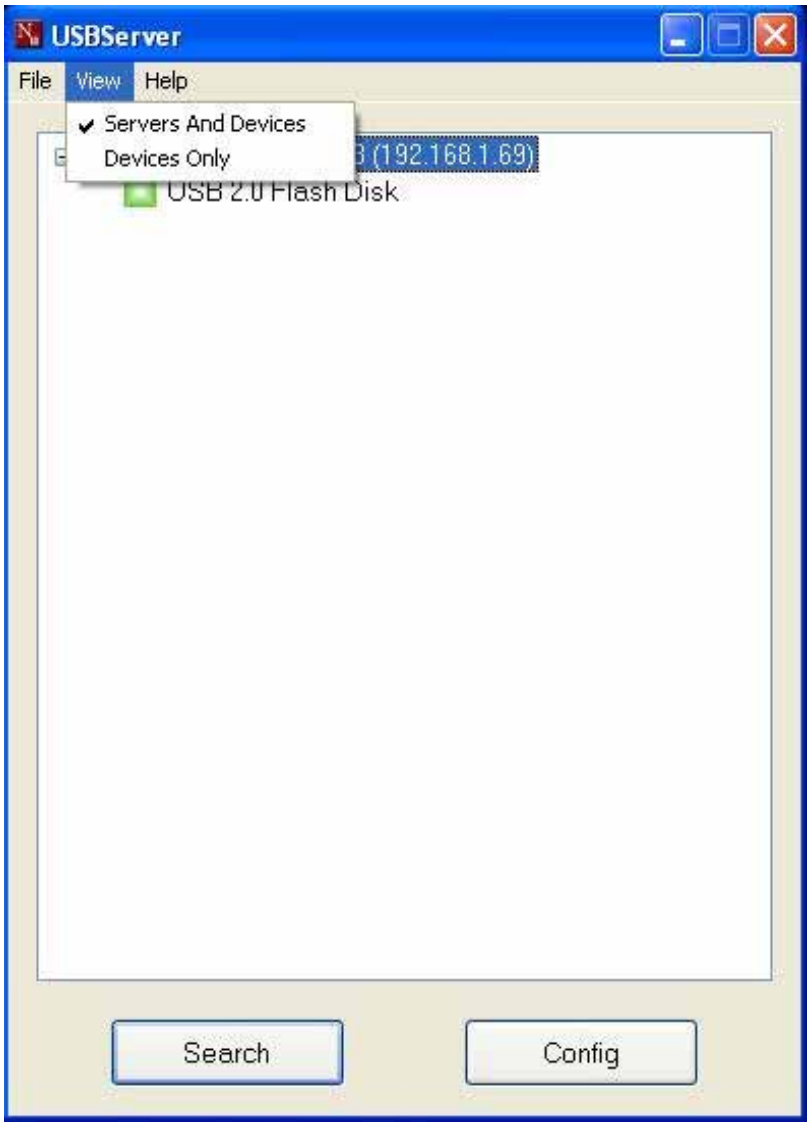
Search

When you are in need of knowing the status of all the servers and devices immediately, use the Search function:

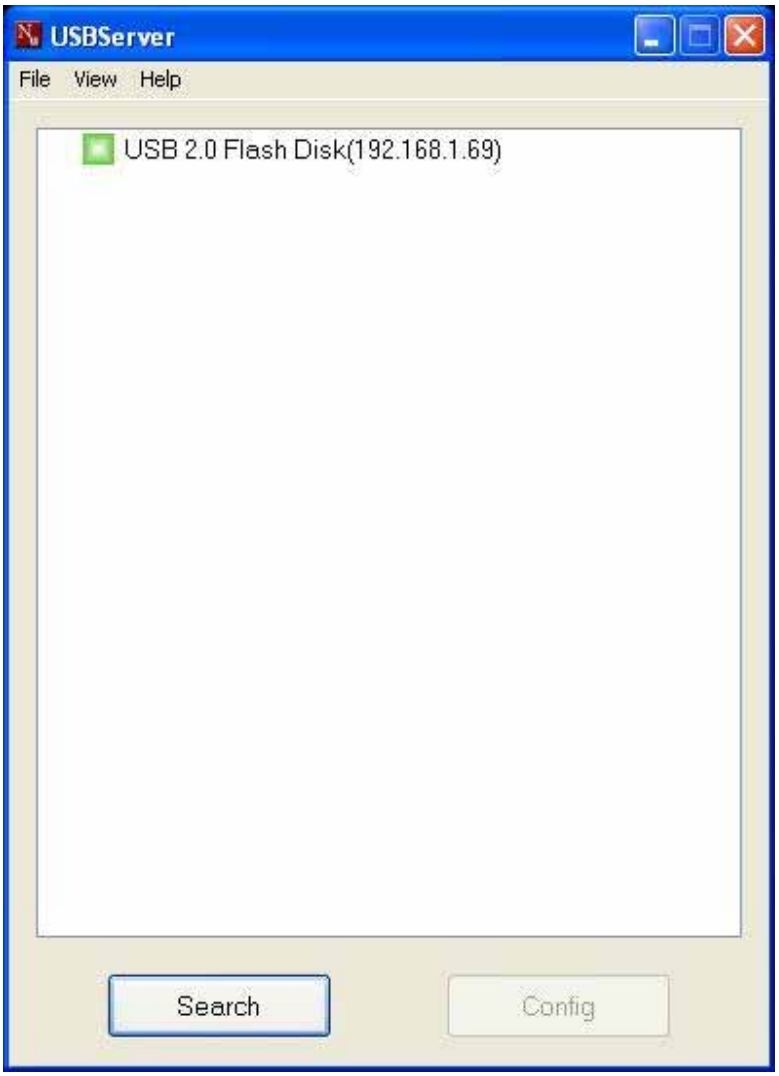
Clicking on the "Search" button triggers the program to immediately poll the network for the status of all the servers and devices. The result will be updated to the tree view.

View

The tree view in the main dialog has two display modes: "Servers and Devices" mode and "Devices Only" mode. The default setting is "Devices Only" mode. You can toggle between these two display modes with the View option on the control menu:



Servers and Devices view

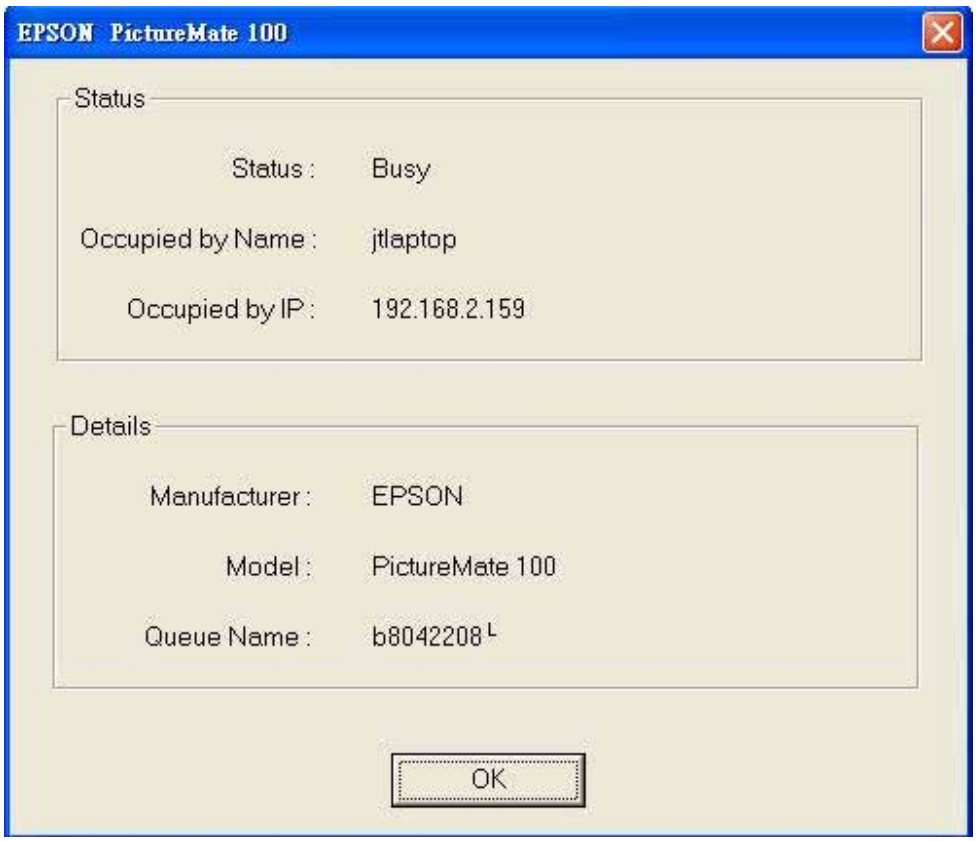


Devices Only view

Device Details

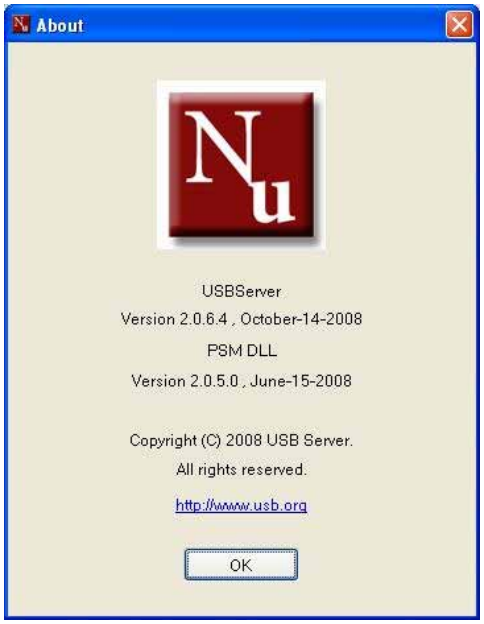
When you right click on a device on the tree view, a menu will pop up:

When you select the "Details" options, some detailed information about the selected server/device respectively will be displayed in another pop-up dialog box.



Help -> About

About option brings up a dialog box with legal and other relative information displayed:



Technical Support

If you have any questions that the Troubleshooting section failed to address, please contact with your seller or distributor for further help.

FAQ

Q. How come I don't see any USB servers on the GUI after installing it?

Ans.:
Besides the obvious reason that your PC or the USB & Printer Server might not be connected to the network correctly, using a personal firewall on your PC might block the program from accessing the network. Please make sure your firewall/anti-virus software is not blocking USB & Printer Server application.

Q. How come I can't see any USB device on the USB Server GUI?

Ans.:
First of all, of course, check and if your USB device has been correctly connected to the USB & Printer server and powered on.
Another possible reason is that, even though the USB & Printer server does support USB hub, the combination of a Full Speed Hub with a Low Speed Device (such as mouse, keyboard, etc), is **NOT** supported by the USB & Printer Server.

Q. I connected to the device but it doesn't work?

Ans.:

There are a few things you can check when you run into this problem.

1. Some USB devices requires device driver to work properly. You should check and see if the device driver is correctly installed. To do so, simply connect the USB device to your PC directly via a USB cable and see if the USB device works. If it does not work, then it wouldn't work when connected via USB & Printer server either.

2. USB devices that are in use for a long time might suffer from component deterioration and hence does not provide USB signal that is strong enough to interact with our USB & Printer Server. Putting a USB hub in between the USB & Printer server and the USB device might help.
3. Please note that some USB devices are not supported by our USB & Printer server. Please make sure your USB device is listed as supported on our released document.

Q. How can I do if I forget my password or get incorrect setting?

Ans.:

Look into the product, you'll find one smaller bogged hole beside the USB connector, only you need to do is to use a pointy and thin tool to insert it and press it, meanwhile, connect the transformer(keep pressing), after 5 to 8 seconds, you'll find the LED light turn Into blinking status, that means the default has come back into the original set, and then, you can re-set it.